

Next Forecast Will Be Issued

Launch Mission Execution Forecast

Mission: Falcon 9 CRS-22

2 JUN 2021

Issued: 1 June 2021 / 0900L (1300Z)

Valid: 3 June 2021 / 1324 – 1334L (1724 – 1734Z)



Forecast Discussion: An upper level trough currently located over the Bahamas is expected to slowly fill over the next couple of days, while an Atlantic surface ridge builds westward into the state. The combination of these developments will result in progressively deeper southeasterly flow, favoring late night and morning showers at the coast but focusing afternoon thunderstorms along a rapidly westward moving seabreeze to the west of the Spaceport. Remnant clouds and showers over the ocean and along the coast during the late morning may attempt to persist later, thus the main weather concerns for both Launch Day and Delay Day are the Cumulus Cloud Rule and Flight Through Precipitation.

	Probability of Violating Weather Constraints								
Day	30% Primary Concerns: Cumulus Cloud Rule, Flight Through Precipitation								
ch	Weather Conditions							Additional Risk Criteria	
aunch	Weather/Visi	bility:	Isol showers /7 mi.	Туре	Clouds Coverage	Base (ft)	Tops (ft)	Upper-Level Wind Shear:	Low
Ľ	Temp/Humid	ity:	84°F / 70%	Cumulus	Scattered	3,000	12,000	Booster Recovery Weather:	Low
	Liftoff Winds	(200'):	140° 15 - 20 mph					Solar Activity:	Low
,	Probability of Violating Weather Constraints								
Delay	30% Primary Concerns: Cumulus Cloud Rule, Flight Through Precipitation								
	Weather Conditions							Additional Risk Criteria	
24-Hour	Weather/Visibility:		Isol showers / 7 mi.	Туре	Clouds Coverage	Base (ft)	Tops (ft)	Upper-Level Wind Shear:	Low
24	Temp/Humid	ity:	84°F / 68%	Cumulus	Scattered	3,000	12,000	Booster Recovery Weather:	Low
	Liftoff Winds (200'):		150° 15 - 20 mph					Solar Activity:	Low
	,		1 ser constraints (surface winds, precip booster recovery weather, and solar	,					